

MAXGROB Gear Oil SAE 85W-140 GL-4

Product Description

MAXGROB SAE 85W-140 GL-4 is a high-performance mineral-based gear oil engineered with balanced Extreme Pressure (EP) and anti-wear additives. It provides optimal gear protection while being gentle on synchronizers, making it ideal for transmissions requiring GL-4 lubricants.

The formulation ensures:

- Smooth gear shifts
- Protection against scuffing and wear
- Long oil and equipment life
- Compatibility with yellow metals such as brass and bronze used in manual transmission components

Product Features & Benefits

- **Balanced EP Protection:** Offers adequate gear load protection without being overly aggressive on synchronizers and soft metals.
- **Thermal & Oxidation Stability:** Prevents deposit formation and viscosity breakdown under high operating temperatures.
- **Excellent Wear Resistance:** Protects gears and bearings from pitting and scoring under load.
- **Corrosion & Rust Inhibition:** Protects internal components from moisture and oxidation damage.
- **Smooth Operation:** Reduces gear noise and promotes smooth gear engagement, especially in older or synchronized transmissions.

Typical Properties

Property	Method	Typical Value
Appearance	Visual	Bright, clear
Density @ 15°C	ASTM D4052	0.900 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	320 - 360 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	25.0 - 27.5 mm ² /s
Viscosity Index	ASTM D2270	≥95
Pour Point	ASTM D97	-15°C
Flash Point (COC)	ASTM D92	≥240°C
Timken OK Load	ASTM D2782	60 lb
Foaming (Seq I/II/III)	ASTM D892	Pass
Copper Corrosion (3h @ 121°C)	ASTM D130	1b
FZG Gear Test (A/8.3/90)	DIN 51354	Pass (Stage ≥10)

Application

- Manual transmissions and gearboxes requiring API GL-4
- Suitable for use in:
 - Light and heavy-duty trucks
 - Agricultural tractors and equipment
 - Passenger cars and off-highway machinery
- Compatible with gear units containing yellow metals like copper alloys

Approvals & Specifications

Meets:

- API GL-4
- MIL-L 2105

Approvals:

- ZF TE-ML 16A, 17A, 19A
- MAN 341 Typ E1, Typ Z2

Health, Safety, & Environment

- Prolonged skin contact may cause irritation; wear gloves and safety equipment.
- Dispose of used oil responsibly at authorized collection points.
- Refer to the product's Safety Data Sheet (SDS) for detailed handling and safety instructions.

Storage & Handling

- Store in a cool, dry place, protected from direct sunlight and extreme temperatures.
- Do not store above 60°C.
- Ensure drums are stored horizontally to avoid water contamination.

